Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per:\_\_\_\_\_\_\_\_\_\_ **Geometry HW 167** ~ **Due Thu, June 4, 2015**

**FINAL EXAM Cheat Sheet:**

You will be allowed to use ONE 8 ½ by 11 study guide on the final! You may only use ONE side (not both). You can hand write or type your study guide. Study guide MUST be approved by your geometry teacher BEFORE you take the final. If you fail to follow these directions you will NOT be allowed to use your study guide on the final! When in doubt, ask! *Include at least five of the eight skills from the front of this sheet.*

|  |  |
| --- | --- |
| **You can not include:**   * Worked out examples | **What you can include:**   * Formulas/Rules * Definitions * Ideas/concepts * Diagrams |

Here are two examples:

|  |  |  |
| --- | --- | --- |
| **Example 1:** | *The area of a square is 64 inches squared. What is the perimeter of the square?*  *A = s2 64 = s2*  *s = 8*  *P = 4s*  *P=4\*8=32* | **Allowed? Why or why not?** |
| **Example 2:** | *A(square) = s2*  *If given the area of a square, remember to take the square root to find length of ONE side* | **Allowed? Why or why not?** |

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Classwork Team Instructions:

Your team will be assigned one skill from the list below. You will have 30 minutes to prepare notes and practice. You will be graded on both the notes and practice, and you will also grade your classmates on their work. Your tasks:

(a) Create review notes for the class. Use visuals. Notes should be comprehensive but brief.

(b) Create an activity or practice that the class can use to test their knowledge of the skill. The activity or practice must be something you can grade.

(c) Your prep time is 30 minutes. Your entire presentation & activity time is 10-12 minutes.

1. Pythagorean theorem & distance formula

2. Types of triangles (categorized by angles & sides) & similar triangles

3. Congruent triangles

4. Trig & inverse trig (find sides and angles of a triangle)

5. Special right triangles & Pythagorean triples

6. Parallelograms 1: angle & side relationships

7. Parallelograms 2: perimeter & area

8. Surface area & volume of 3-D shapes

*Got extra time? Create something to motivate your classmates for the end-of-year ACT test tomorrow. Be creative!*

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